

UPPER DEERFIELD TOWNSHIP SANITARY LANDFILL NEW JERSEY

EPA ID# NJD980761399



EPA REGION 2
CONGRESSIONAL DIST. 02
Cumberland County
Upper Deerfield Township

Site Description

The Upper Deerfield Township Sanitary Landfill site is an inactive landfill covering 14 acres on a 23-acre tract of land. The site originally was used as a gravel pit from 1938 to 1960, when the Township purchased 12 acres; the remaining acreage was purchased by the Township in 1977. The property was operated as a municipal landfill licensed to accept household waste until it closed in 1983. Residents became concerned over the quality of their water, and in response to requirements by the New Jersey Department of Environmental Protection, the Township installed three monitoring wells. The County sampled residential wells and the monitoring wells and found them to be contaminated with mercury and volatile organic compounds (VOCs). In 1983, the State and the County advised residents to discontinue using their wells, and the Township began supplying the affected residents with bottled water. In 1986 the Township installed a public water supply well and distribution system to provide potable water to residents in the area using funds provided by the State.

Site Responsibility: This site is being addressed through Federal and local actions.

NPL LISTING HISTORY

Proposed Date: 09/01/83

Final Date: 09/01/84

Deletion Date: 06/10/00

Threats and Contaminants



The groundwater was contaminated with low levels of VOCs such as benzene, trichloroethylene, and vinyl chloride and heavy metals including mercury. Initial sampling data indicated low-level soil contamination in the fill area. The immediate threat to the residents in the vicinity of the landfill was removed by the installation of the alternate water supply in 1986. The results of the Remedial Investigation, conducted in 1987 through 1990, showed that concentrations of chemicals that were present previously, significantly decreased. EPA determined that the contaminants present at the site do not pose a significant health threat. In addition, the Township of Upper Deerfield has placed zoning and deed restrictions on future land use of the landfill property.



Cleanup Approach

The site has been addressed in two stages: immediate actions and a single long-term remedial phase focusing on the entire site.

Response Action Status



Immediate Actions: After detection of residential well contamination in 1983 and before the completion of the public water supply and distribution system in 1986, the Township supplied affected residents with bottled water and subsequently installed permanent water lines. All hookups to the new water system were completed in 1986, and the bottled water was discontinued.



Entire Site: In 1987, EPA began a study to determine the type and extent of the contamination by sampling the groundwater, soil, sediments, and air. The results of the investigation showed that the groundwater and soil contamination associated with the site no longer pose a health threat under current or likely future land use conditions. Therefore, a September 1991 Record of Decision (ROD) called for no further remedial action with a monitoring program of the air and groundwater.

Cleanup Progress



(Construction Completed)

In September 1994, Upper Deerfield Township signed an Administrative Order on Consent which requires the Township to monitor the groundwater. EPA initiated the air monitoring program in December 1994. EPA's air monitoring has since been discontinued because testing has never detected airborne contaminants at levels of concern.

The duration of the groundwater monitoring is 30 years. However, the need for a comprehensive monitoring program is likely to change. Therefore, EPA will re-evaluate the monitoring program periodically based on the sampling results. Accordingly, as the need for sampling changes, the

program will be modified.

The first Five-Year Review of the site, which was completed in September 1999, determined that the remedy continues to be protective of public health and the environment. Based upon the current information, EPA deleted the site from the National Priorities List (NPL) in June 2000.

Site Facts: EPA conducted a comprehensive search for potentially responsible parties. To date, no viable potentially responsible parties have been identified, with the exception of the Township.